

## FITTING INSTRUCTION

| Clamp mark<br>in acc. with |     | Cables joining            |
|----------------------------|-----|---------------------------|
| ISO                        | PN  |                           |
| 1                          | L   | Left directional lights   |
| 2                          | +   | Rear fog lights           |
| 3                          | 31  | Ground                    |
| 4                          | R   | Right directional lights  |
| 5                          | 58R | Right side parking lights |
| 6                          | 54  | Stoplights                |
| 7                          | 58L | Left side parking lights  |

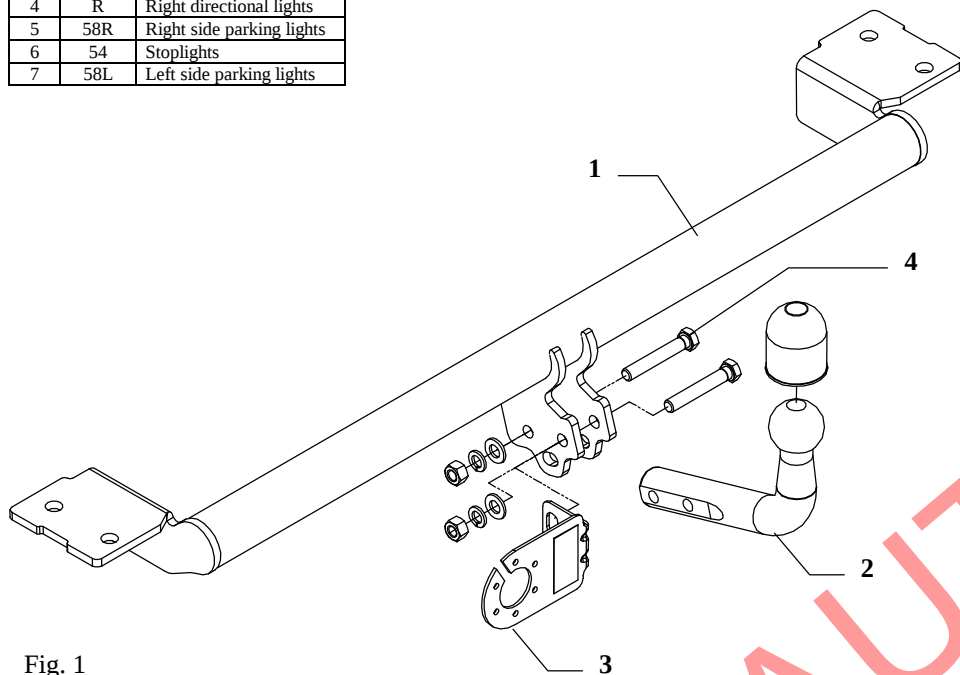


Fig. 1

This towbar is designed to assembly in following car:  
**TOYOTA AVENSIS 4-5 doors**, produced since 1997 till 12.2002,  
catalogue no. **O05**, and is prepared to tow trailers max total weight **1400 kg**  
and max vertical load **75 kg**.

### DE PRODUCATOR:

Vă mulțumim pentru achiziționarea produsului nostru. Fiabilitatea acestor produse a fost confirmată în numeroase teste. Fiabilitatea produselor depinde de asemenea și de asamblarea corectă și în ordinea specificată în aceste instrucțiuni. Din acest motive va rugăm să citiți cu atenție instrucțiunile și să le urmați întocmai. Bara de tractare trebuie să fie instalată în punctele descrise de producătorul autovehiculului.

*The towbar should be install in points described by a car producer.*

## The instruction of the assembly

1. Disassemble the bumper.
2. Unscrew original tow handles (not used any more).
3. Put main bar of the towbar (pos. 1) to the car and in places original tow handles fix it using original bolts.
4. Cut out fragments of the bumper (see fig. 2). Fragment 50x70mm - in lower part in axis of the bumper.
5. Fix tow-ball (pos. 2) and socket plate (pos. 3) using bolts M12x75mm (pos. 4) from accessories.
6. Fix tight all bolts according to the torque shown in the table.
7. Connect electric wires according to the instruction of the car. (Recommend to make at authorized service station).
8. Supplement the paint coating damaged during assembly.

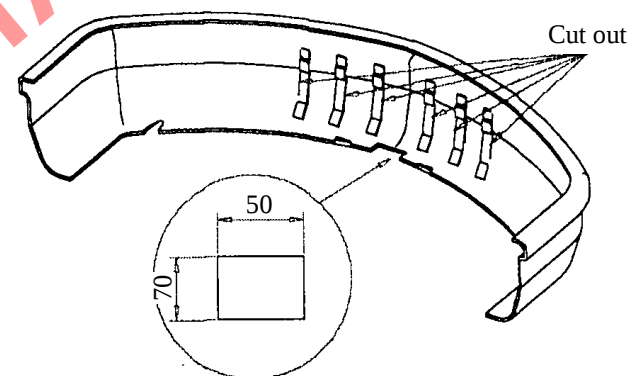


Fig. 2

Torque settings for nuts and bolts (8,8):

|                     |                      |
|---------------------|----------------------|
| <b>M 8</b> - 25 Nm  | <b>M 10</b> - 55 Nm  |
| <b>M 12</b> - 85 Nm | <b>M 14</b> - 135 Nm |

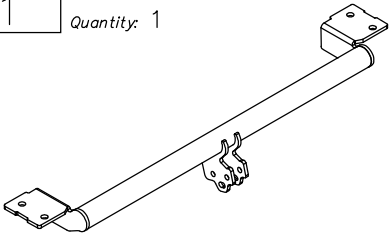
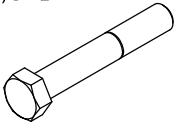
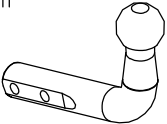
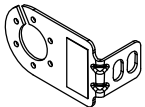
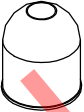
### NOTE

After install the towbar you should get adequate note in registration book (at authorised service station). The car should be equipped with:

- Indicators
- Tow mirrors

After 1000km check all bolts and nuts. The ball of towbar must be always kept clear and conserve with a grease.

## Towbar accessories:

|                                                                                   |                                   |                                                                                   |                                                        |
|-----------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------|
| Pos.<br>1                                                                         | Name: Main bar<br>Quantity: 1     | Pos.<br>4                                                                         | Name: Bolt 8,8 B<br>Quantity: 2<br>Dim. : M12x75mm     |
|  |                                   |  |                                                        |
|                                                                                   |                                   | Pos.<br>5                                                                         | Name: Nut 8 B<br>Quantity: 2<br>Dim. : M12             |
|                                                                                   |                                   |  |                                                        |
| Pos.<br>2                                                                         | Name: Tow ball<br>Quantity: 1     | Pos.<br>6                                                                         | Name: Plain washer<br>Quantity: 2<br>Dim. : Ø 13 mm    |
|  |                                   |  |                                                        |
| Pos.<br>3                                                                         | Name: Socket plate<br>Quantity: 1 | Pos.<br>7                                                                         | Name: Spring washer<br>Quantity: 2<br>Dim. : Ø 12,2 mm |
|  |                                   |  |                                                        |
|                                                                                   |                                   | Pos.<br>8                                                                         | Name: Ball cover<br>Quantity: 1                        |
|                                                                                   |                                   |  |                                                        |



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## Carlig remorcare Toyota Avensis 1997-2002 semidemontabil Auto-Hak

Class: A50-X Cat. no. O05

Designed for:

Manufacturer: TOYOTA

Model: AVENSIS

Type: 4-5doors

produced since 1997 till 12.2002

Technical data:

D-value: 7,78 kN

maximum trailer weight: 1400 kg

maximum vertical cup load: 75 kg

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1136

Acesta bara de tractare este proiectata în conformitate cu normele de siguranță ale regulilor de circulație. Carligul de tractare este o componentă de siguranță și poate fi instalata numai de personal calificat. Orice modificare sau transformare facuta asupra cârligului de remorcare este interzisă și va duce la anularea certificării produsului. Indepartati materialul izolator de sub vehicul (dacă există) in zona de montare a ansamblului. Specificatiile de produs ale autovehiculului referitor la greutatea admisa pe vehicul, sunt extrem de importante. In acelasi timp, sarcina admisa pentru cârligul de remorcare nu poate fi depășită si poate fi calculata folosind relatia:

$$\frac{\text{Masa maxima a remorcii [kg]} \times \text{Masa maxima a masinii[kg]}}{\text{Masa maxima a remorcii [kg]} + \text{Masa maxima a masinii[kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$